

## PATENT ABSTRACTS OF JAPAN

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(54) POLYBUTADIENE RUBBER

(57)Abstract:

PURPOSE: A polybutadiene rubber which can give a vulcanizate having suitable properties for tire side walls, containing a boiling n-hexane-insoluble portion, a boiling n-hexane-soluble portion and a specified-MW component in this soluble portion at specified contents, respectively.

CONSTITUTION: A high-cis-1,4-polybutadiene-based polybutadiene comprising 1W15wt% boiling n-hexane-insoluble portion of a reduced relative viscosity (as measured in a tetralin solution of 0.2g/100cc concentration at 130°C) of 0.5W4 and 85W99wt% boiling n-hexane-soluble portion of a weight-average MW (in terms of polystyrene) of 30W800,000, wherein the boiling n-hexane-soluble portion contains 9W30 wt.% components of a MW (in terms of polystyrene) ≤50,000. Said polybutadiene rubber is preferably has a boiling n-hexane-insoluble portion of 3W12wt% and a boiling n-hexane-soluble portion of 88W97wt%.